

10/581121

DK-US040809

PATENT
1AP20 Rec'd PCT/PTO 31 MAY 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
Masahito HIGASHIDA :
Serial No.: New – (National Phase of :
PCT/JP2005/016306) :
International filing date: September 6, 2005 :
For: FAN AND AIR CONDITIONER :
(AS AMENDED) :

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

In accordance with MPEP 609 and 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant brings the references listed on the attached PTO-1449-Form to the Examiner's attention and request that they be considered and made of record in this application. Copies of the non-U.S. patents are attached.

French Patent Publication No. FR 2671834 and German Patent Publication No. DE 4140129 appear to disclose a volute housing for a centrifugal fan. English abstracts of corresponding U.S. Patent No. 5,141,397 are attached to better understand these publications.

Japanese Utility Model Publication No. 61-36219 appears to disclose an air conditioner having a sirocco fan.

Japanese Utility Model Publication No. 63-118397 appears to disclose an air conditioner having a sirocco fan.

Japanese Laid-open Application No. 04-269399 appears to disclose a volute housing for a centrifugal fan. An English abstract is attached to better understand this publication.

Japanese Laid-open Application No. H05-17400 appears to disclose a centrifugal fan.

Japanese Laid-open Application No. 3303860 appears to disclose a centrifugal fan and air conditioner having a bell mouth and an impeller.

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International Patent Publication No. WO 0133144 appears to disclose a centrifugal

blower and an air conditioner.

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Prompt examination on the merits is respectfully requested.

Respectfully submitted,

David J. McCrosky
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Reg. No. 56,232

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Dated: May 31, 2006

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number | PCT/JP2005/016306

Filing Date	September 6, 2005
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First Named Inventor

Group Art Unit

Examiner Name _____

Attorney Docket Number

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Sheet

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of

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U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		FR-2671834-A1	07-24-1992	Sullivan		No
		GB-2251893-A	07-22-1992	Sullivan		N/A
		DE-4140129-A1	07-23-1992	Sullivan		No
		JP-61-36219-U	03-06-1986	Yoshimura		No
		JP-63-118397-U	07-30-1988	Iwasaki		No
		JP-04-269399-A	09-25-1992	Sullivan		Yes
		JP-05-17400-B2	03-09-1993	Ito		No
		JP-3303860-B2	07-22-2002	Sanagi		No
		JP-2002-106945-A	04-10-2002	Fujiwara et al.		Yes
		WO-01/33144-A1	05-10-2001	Sanagi		No

**Examiner
Signature**

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.